

2018 Current Fiscal Year Report: Advisory Committee for Environmental Research and Education

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1. Department or Agency

National Science Foundation

2. Fiscal Year

2018

3. Committee or Subcommittee

Advisory Committee for Environmental Research and Education

3b. GSA Committee No.

9487

4. Is this New During Fiscal Year?

No

5. Current Charter

03/02/2018

6. Expected Renewal Date

03/02/2020

7. Expected Term Date

8a. Was Terminated During Fiscal Year?

No

8b. Specific Termination Authority

8c. Actual Term Date

9. Agency Recommendation for Next Fiscal Year

Continue

10a. Legislation Req to Terminate?

No

10b. Legislation Pending?

Not Applicable

11. Establishment Authority

Agency Authority

12. Specific Establishment Authority

Charge by the Director of NSF

13. Effective Date

04/03/2000

14. Committee Type

Continuing

14c. Presidential?

No

15. Description of Committee

Other Committee

16a. Total Number of Reports

1

16b. Report Date

01/05/2018

Report Title

Sustainable urban Systems

Number of Committee Reports Listed: 1

17a. Open 3 17b. Closed 0 17c. Partially Closed 0 Other Activities 0 17d. Total 3

Meetings and Dates

Purpose

To provide advice and recommendations on policies, programs, activities, and long-range planning.
TELECONFERENCE MEETING

To provide advice and recommendations on policies, programs, activities, and long-range planning.

Start

10/30/2017 - 10/31/2017

01/05/2018 - 01/05/2018

04/18/2018 - 04/19/2018

End

Number of Committee Meetings Listed: 3

Current FY Next FY

18a(1). Personnel Pmts to Non-Federal Members

\$26,600.00 \$34,000.00

18a(2). Personnel Pmts to Federal Members

\$0.00 \$0.00

18a(3). Personnel Pmts to Federal Staff

\$3,167.00 \$5,000.00

18a(4). Personnel Pmts to Non-Member Consultants

\$313.50 \$0.00

18b(1). Travel and Per Diem to Non-Federal Members

\$8,911.71 \$10,000.00

18b(2). Travel and Per Diem to Federal Members	\$0.00	\$0.00
18b(3). Travel and Per Diem to Federal Staff	\$0.00	\$0.00
18b(4). Travel and Per Diem to Non-member Consultants	\$695.00	\$800.00
18c. Other(rents,user charges, graphics, printing, mail, etc.)	\$2,462.00	\$3,000.00
18d. Total	\$42,149.21	\$52,800.00
19. Federal Staff Support Years (FTE)	0.02	0.03

20a. How does the Committee accomplish its purpose?

The committee develops an agenda that includes presentations by experts in various fields of environmental science and engineering and reports by NSF staff on ongoing and planned programs. They offer oral opinions on issues raised by these reports to the NSF Director and to the NSF Coordinator for Environmental Research and Education. The committee rates agency performance, in conjunction with GPRA requirements. From time to time, the committee offers advice in the form of forward-looking white papers.

20b. How does the Committee balance its membership?

Membership is diverse. Members represent a wide range of scientific areas and types of institutions (academic, industrial, and government laboratories). They also are geographically and demographically diverse. All NSF research, engineering and education directorates and program offices are represented.

20c. How frequent and relevant are the Committee Meetings?

2 or 3 meetings are held each year. The meetings are very relevant. During the past year, the committee has discussed ideas regarding environmental research and security; convergence science; and cyberinfrastructure. It has also provided advice to the NSF on the development of research themes associated with urban systems. The committee continue to consider the broader impact aspects of NSF's environmental research and education portfolio.

20d. Why can't the advice or information this committee provides be obtained elsewhere?

There is no other advisory committee that has the breadth of knowledge and expertise required to provide external advice on priorities and opportunities across the disciplines encompassed by the Foundation's environmental research portfolio.

20e. Why is it necessary to close and/or partially closed committee meetings?

Meetings are open.

21. Remarks

N/A

Designated Federal Officer

C. Suzanne Iacono Head, Office of Integrative Activities

Committee Members	Start	End	Occupation	Member Designation
Alvarez, Pedro	01/09/2017	12/31/2018	Rice University	Special Government Employee (SGE) Member
Arnaudo, Ray	02/26/2018	02/28/2019	Polar Division Oceans, Environment and Science	Special Government Employee (SGE) Member
Bostrom, Ann	03/01/2017	06/20/2019	University of Washington	Special Government Employee (SGE) Member
Brandt, Kate	03/05/2018	03/31/2020	Google Inc	Special Government Employee (SGE) Member
Clarens, Andres	05/01/2016	12/31/2019	University of Virginia	Special Government Employee (SGE) Member
Cyrus, Wadia	03/01/2018	03/31/2019	NIKE	Special Government Employee (SGE) Member
De Souza, Roger-Mark	06/30/2016	06/30/2018	Wilson Center	Regular Government Employee (RGE) Member
Isbell, Charles	09/10/2018	08/31/2020	Georgia Tech	Special Government Employee (SGE) Member
Janetos, Anthony	06/01/2016	06/30/2019	Boston University	Special Government Employee (SGE) Member
Lemos, Maria Carmen	09/04/2018	06/30/2020	University Of Michigan Ann Arbor	Special Government Employee (SGE) Member
Loft, Rich	09/04/2018	06/30/2020	National Center For Atmospheric Research	Special Government Employee (SGE) Member
Lowman, Margaret	12/11/2017	10/31/2018	California Academy of Sciences	Special Government Employee (SGE) Member
Matrai, Patricia	09/04/2018	06/30/2020	Bigelow Laboratory For Ocean Sciences	Special Government Employee (SGE) Member
Parrish, Julia	07/01/2018	06/30/2020	University of Washington	Special Government Employee (SGE) Member
Pataki, Diane	03/01/2018	12/31/2019	University of Utah	Special Government Employee (SGE) Member
Ramaswami, Anu	09/04/2018	06/30/2020	University of Minnesota-Twin Cities	Special Government Employee (SGE) Member

Number of Committee Members Listed: 16

Narrative Description

In 2000, NSF established the Advisory Committee for Environmental Research and Education (AC-ERE). NSF's Director, Dr. Rita Colwell, charged the Committee at its first meeting in October 2000. AC-ERE is to:

- Provide advice, recommendations and oversight concerning support for the NSF's environmental research and education portfolio.
- Be a base of contact with the scientific community to inform NSF of the impact of its research support and NSF-wide policies on the scientific community.
- Serve as a forum for consideration of interdisciplinary environmental topics as well as environmental activities in a wide range of disciplines.
- Provide broad input into long-range plans and partnership

opportunities.· Perform oversight of program management, overall program balance, and other aspects of program performance for environmental research and education activities.

What are the most significant program outcomes associated with this committee?

Checked if Applies

- | | |
|---|-------------------------------------|
| Improvements to health or safety | <input type="checkbox"/> |
| Trust in government | <input type="checkbox"/> |
| Major policy changes | <input type="checkbox"/> |
| Advance in scientific research | <input checked="" type="checkbox"/> |
| Effective grant making | <input type="checkbox"/> |
| Improved service delivery | <input type="checkbox"/> |
| Increased customer satisfaction | <input type="checkbox"/> |
| Implementation of laws or regulatory requirements | <input type="checkbox"/> |
| Other | <input type="checkbox"/> |

Outcome Comments

NA

What are the cost savings associated with this committee?

Checked if Applies

- | | |
|----------------------------|-------------------------------------|
| None | <input type="checkbox"/> |
| Unable to Determine | <input checked="" type="checkbox"/> |
| Under \$100,000 | <input type="checkbox"/> |
| \$100,000 - \$500,000 | <input type="checkbox"/> |
| \$500,001 - \$1,000,000 | <input type="checkbox"/> |
| \$1,000,001 - \$5,000,000 | <input type="checkbox"/> |
| \$5,000,001 - \$10,000,000 | <input type="checkbox"/> |
| Over \$10,000,000 | <input type="checkbox"/> |
| Cost Savings Other | <input type="checkbox"/> |

Cost Savings Comments

The use of an advisory committee for the Foundation is an invaluable asset. The cost of obtaining the expertise, insight, and information received by the Foundation using alternative methods, such as hiring the expertise of full or part-time employees, would be extremely high.

What is the approximate Number of recommendations produced by this committee for the life of the committee?

Number of Recommendations Comments

In addition to the advice provided to the NSF during the committee meetings, the AC ERE delivered a report titled 'Sustainable Urban Systems: Articulating a Long-Term Convergence Research Agenda' to the NSF in FY2018.

What is the approximate Percentage of these recommendations that have been or will be Fully implemented by the agency?

0%

% of Recommendations Fully Implemented Comments

The word implement is not applicable to advisory committees. All of their recommendations are carefully weighed and considered, but not all can be carried out in the short term due to budgetary or legislative constraints.

What is the approximate Percentage of these recommendations that have been or will be Partially implemented by the agency?

0%

% of Recommendations Partially Implemented Comments

N/A

Does the agency provide the committee with feedback regarding actions taken to implement recommendations or advice offered?

Yes ☒ No ☐ Not Applicable ☐

Agency Feedback Comments

There is continuous interaction throughout the year between the chair of the advisory committee, the executive secretary of the advisory committee at the NSF, and the Designated Federal Official at NSF. The Chair of the advisory committee in turn informs the committee members of ongoing matters. In FY 2018, NSF senior managers met with the committee during the committee's meeting to discuss the evolution of NSF's research and education portfolio.

What other actions has the agency taken as a result of the committee's advice or recommendation?

Reorganized Priorities

Checked if Applies



Reallocated resources	<input checked="" type="checkbox"/>
Issued new regulation	<input type="checkbox"/>
Proposed legislation	<input type="checkbox"/>
Approved grants or other payments	<input type="checkbox"/>
Other	<input type="checkbox"/>

Action Comments

NA

Is the Committee engaged in the review of applications for grants?

No

Grant Review Comments

NA

How is access provided to the information for the Committee's documentation?

Checked if Applies

Contact DFO	<input checked="" type="checkbox"/>
Online Agency Web Site	<input checked="" type="checkbox"/>
Online Committee Web Site	<input checked="" type="checkbox"/>
Online GSA FACA Web Site	<input type="checkbox"/>
Publications	<input type="checkbox"/>
Other	<input type="checkbox"/>

Access Comments

N/A